

Rabbit anti-Human, Mouse IL-6R Polyclonal Antibody | anti-IL-6R antibody

IL-6R Antibody

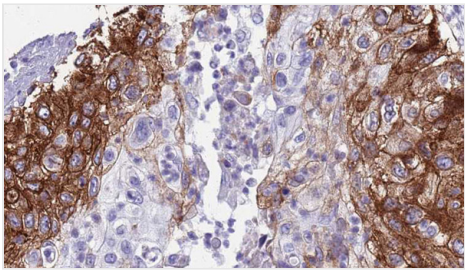
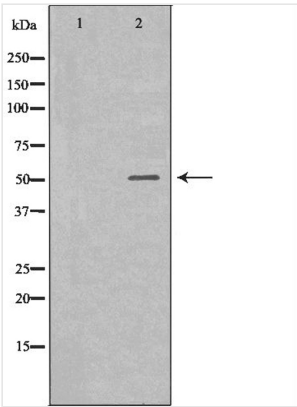
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326234	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

IL-6R; Polyclonal Antibody; IL-6R Antibody; CD 126; CD126; CD126 antigen; gp80; IL 6R 1; IL 6R alpha; IL 6R; IL-6 receptor alpha chain; IL-6 receptor subunit alpha; IL-6R 1; IL-6R subunit alpha; IL-6R-alpha; IL-6RA; IL6Q; IL6r; IL6RA; IL6RA_HUMAN; IL6RQ; Interleukin 6 receptor; interleukin 6 receptor; alpha; Interleukin-6 receptor subunit alpha; Membrane glycoprotein 80; MGC30256; anti-IL-6R antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	IL-6R antibody detects endogenous levels of total IL-6R
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	468
Applicable Applications for anti-IL-6R antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IL-6R
Subcellular Location	Secreted and Basolateral Cell Membrane.
Tissue Specificity	Isoform 2 is expressed in peripheral blood mononuclear cells and weakly found in urine and serum.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326234 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Jurkat whole cell lysates, using IL-6R Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IL-6R antibody

Description: Interleukin-6 (IL-6) is a pleiotropic cytokine produced by a variety of cells during infection, trauma, and immunological challenge (PMID: 8274730). IL-6 acts via a receptor complex consisting of two distinct membrane-bound glycoproteins, an 80-kDa IL-6-binding subunit (IL-6R, CD126, gp80) and a 130-kDa signal-transducing element (gp130, CD130). After binding of IL-6 to membrane-bound IL-6R, the complex of IL-6 and IL-6R associates with gp130, thus activating the receptor (PMID: 9716487). Expression of gp130 is found in almost all organs while expression of IL-6R is predominantly confined to hepatocytes and leukocyte subpopulations (monocytes, neutrophils, T cells, and B cells) (PMID: 11149892). Soluble form of IL-6R has been found in human serum and urine.

Function: Part of the receptor for interleukin 6. Binds to IL6 with low affinity, but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation may lead to the regulation of the immune response, acute-phase reactions and hematopoiesis.

Subunit Structure: Hexamer of two molecules each of IL6, IL6R and IL6ST.

Post-translational Modifications: A short soluble form may also be released from the membrane by proteolysis.

Similarity: The two fibronectin type-III-like domains, contained in the N-terminal part, form together a cytokine-binding domain. The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding. Belongs to the type I cytokine receptor family. Type 3 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504673
NCBI GeneID	3570
NCBI Accession #	NP_000556.1
NCBI GenBank Nucleotide #	NM_000565.3
UniProt Accession #	P08887; Q16202; Q53EQ7; Q5FWG2; Q5VZ23; A8KAE8; B2R6V4
Molecular Weight	Observed: 52 kD Predicted: 52 kDa
NCBI Official Full Name	interleukin-6 receptor subunit alpha isoform 1
NCBI Official Synonym Full Names	interleukin 6 receptor
NCBI Official Symbol	IL6R
NCBI Official Synonym Symbols	IL6Q; gp80; CD126; IL6RA; IL6RQ; IL-6RA; IL-6R-1
NCBI Protein Information	interleukin-6 receptor subunit alpha

UniProt Protein Name	Interleukin-6 receptor subunit alpha
UniProt Gene Name	IL6R
UniProt Synonym Gene Names	IL-6 receptor subunit alpha; IL-6R subunit alpha; IL-6R-alpha; IL-6RA; gp80

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/il-6r-antibody-immunohistochemistry-western-blot-elisa/326234>